

4.2.B. 0513010702.

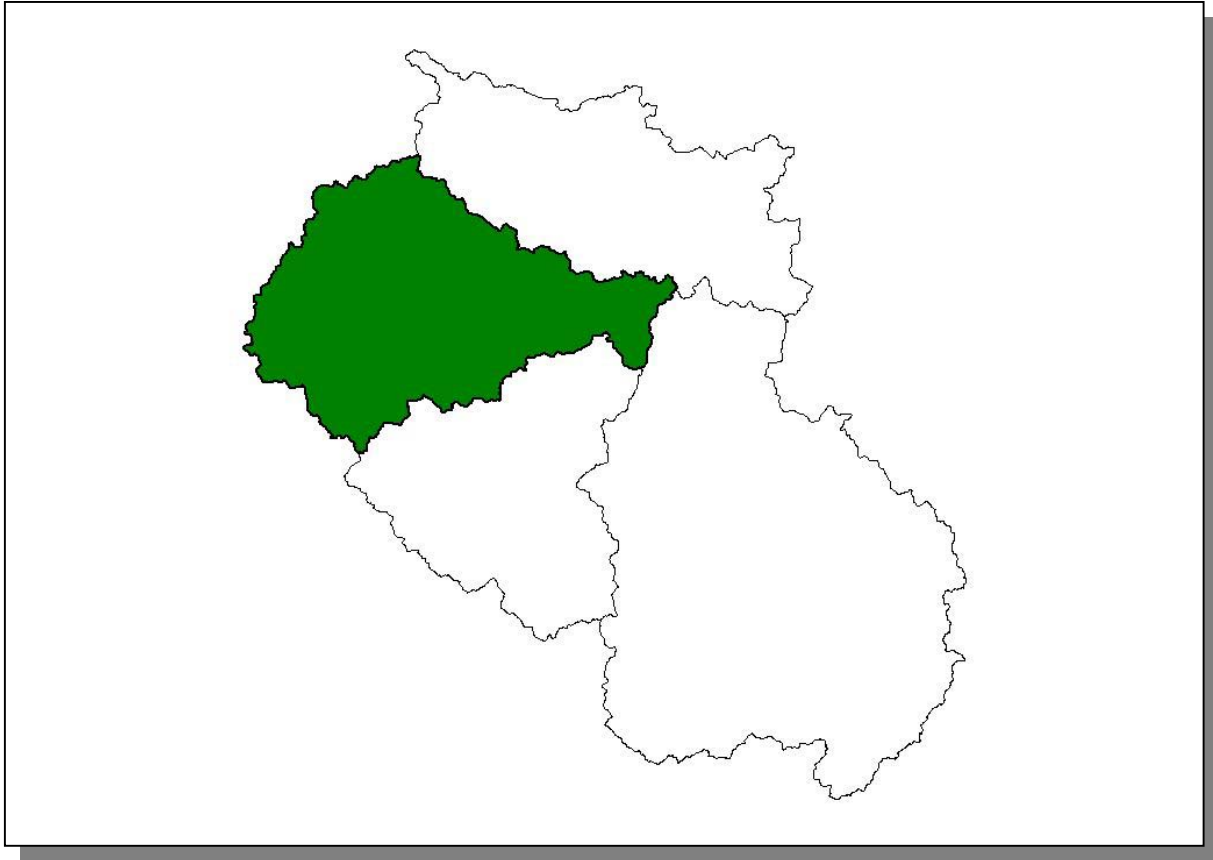


Figure 4-12. Location of Subwatershed 0513010702. All Collins HUC-10 subwatershed boundaries are shown for reference.

4.2.B.i. General Description.

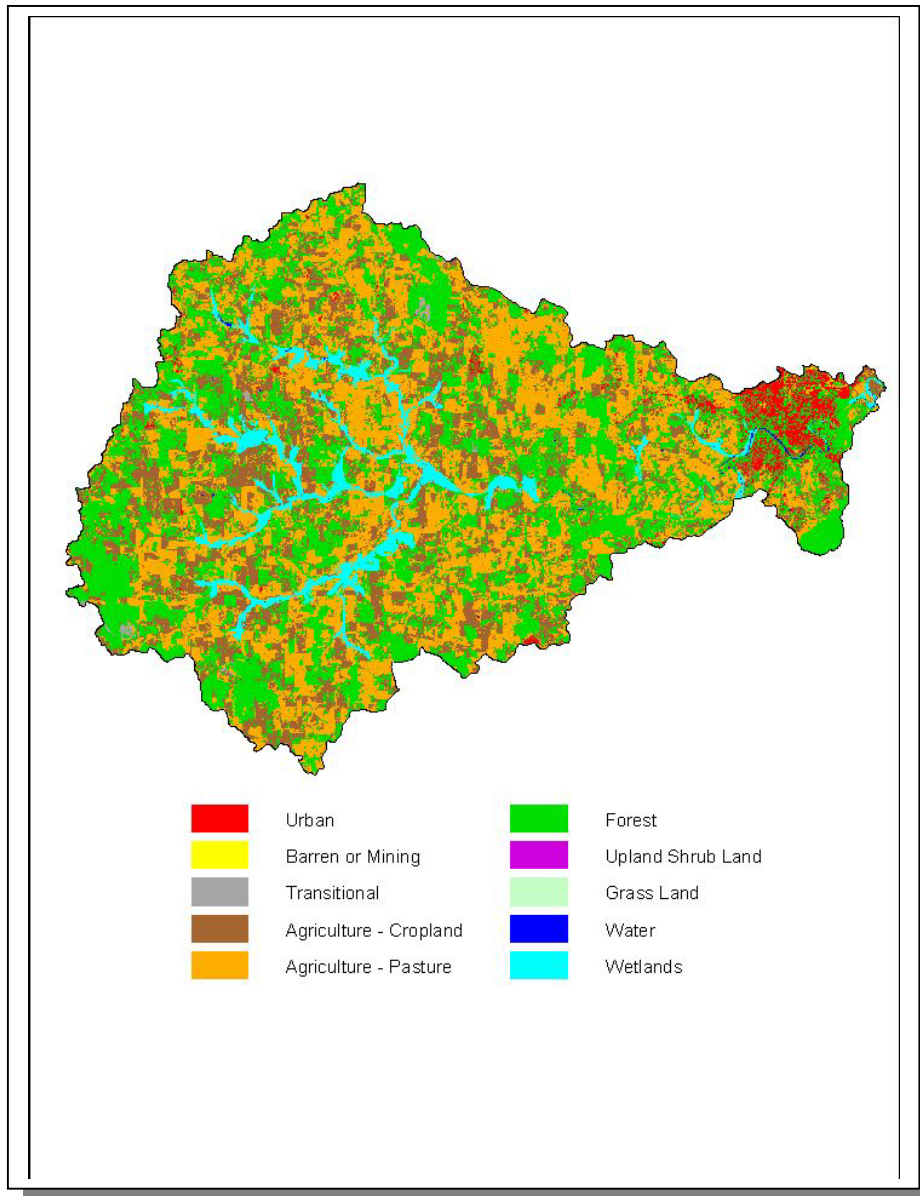


Figure 4-13. Illustration of Land Use Distribution in Subwatershed 0513010702.

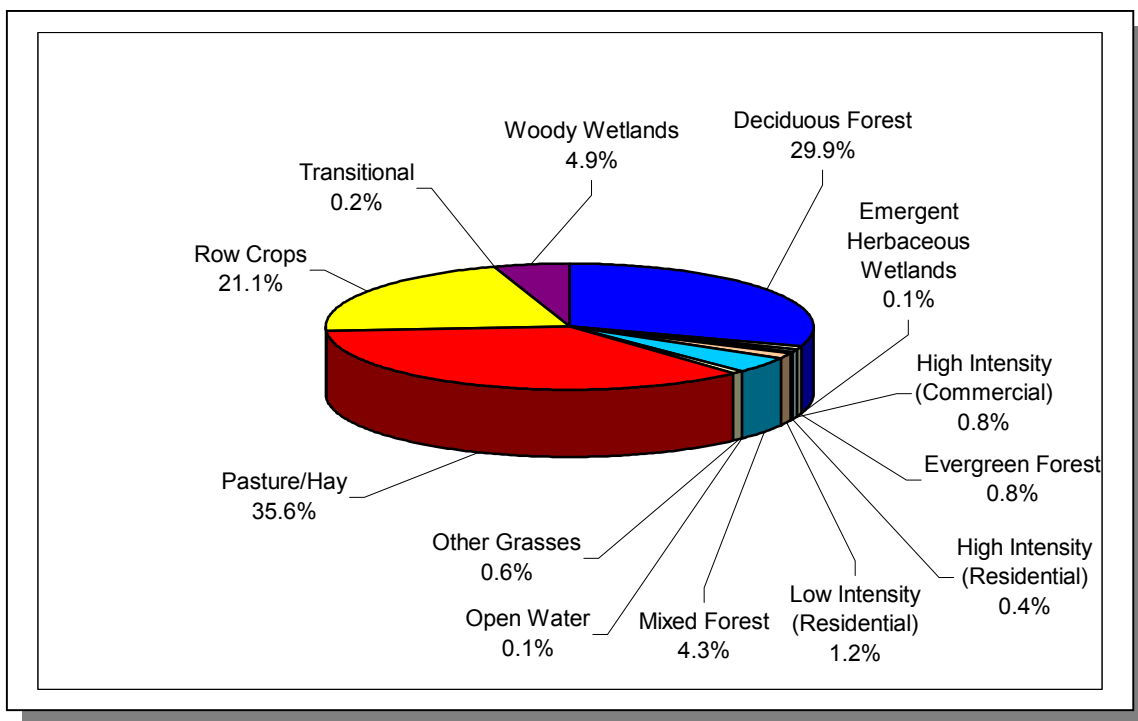


Figure 4-14. Land Use Distribution in Subwatershed 0513010702. More information is provided in Collins-Appendix IV.

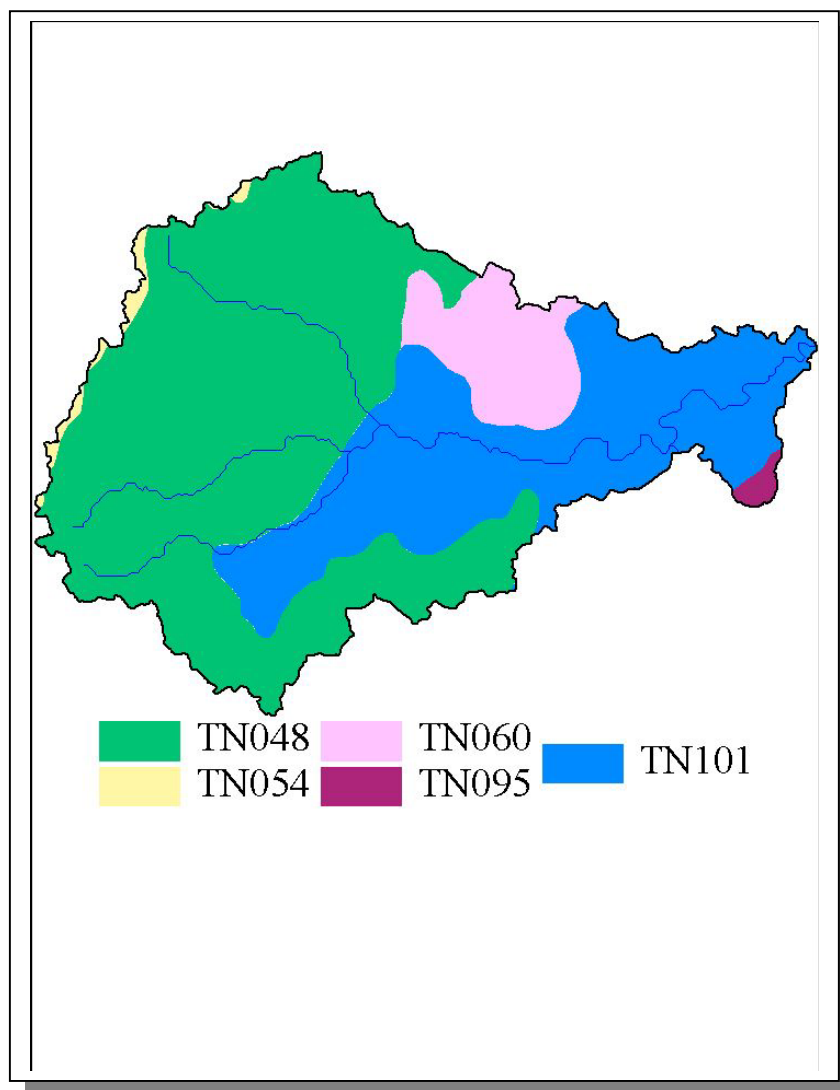


Figure 4-15. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0513010702.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN048	16.00	C	1.38	5.06	Silty Loam	0.42
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	20.00	B	1.30	5.32	Silty Loam	0.39
TN095	0.00	B	2.35	5.12	Loam	0.31
TN101	0.00	B	1.71	5.39	Loam	0.35

Table 4-8. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0513010702. More information is provided in Collins-Appendix IV.

County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Cannon	10,467	12,011	19.22	2,012	2,309	14.8
Coffee	40,339	45,347	7.90	3,146	3,537	12.4
Warren	32,992	35,777	20.79	6,858	7,437	8.4
Total	83,798	93,135		12,016	13,283	10.5

Table 4-9. Population Estimates in Subwatershed 0513010702.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Centertown	Warren	345	138	3	135	0
McMinnville	Warren	11,194	5,123	4,746	353	24
Morrison	Warren	557	235	195	37	3
Total		12,096	5,496	4,944	525	27

Table 4-10. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0513010702.

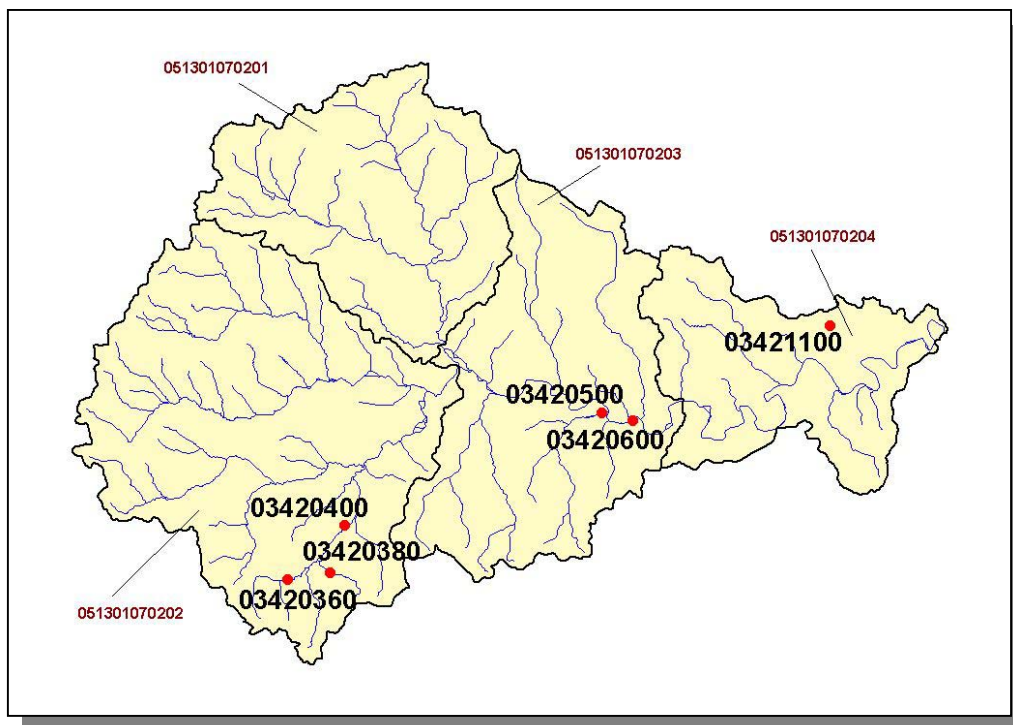


Figure 4-16. Location of Historical Streamflow Data Collection Sites in Subwatershed 0513010702. Subwatershed 051301070201, 051301040202, 051301070203 and 051301070204 boundaries are shown for reference. More information is provided in Collins-Appendix IV.

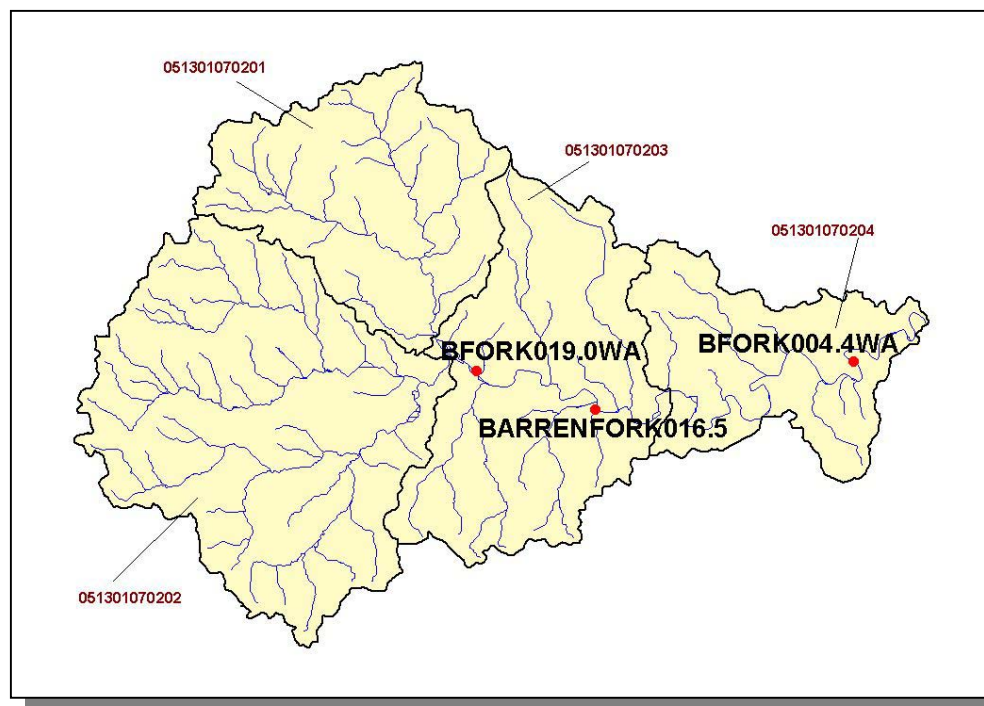


Figure 4-17. Location of STORET Monitoring Sites in Subwatershed 0513010702. Subwatershed 051301070201, 051301040202, 051301070203 and 051301070204 boundaries are shown for reference. More information is provided in Collins-Appendix IV.

4.2.B.ii. Point Source Contributions.

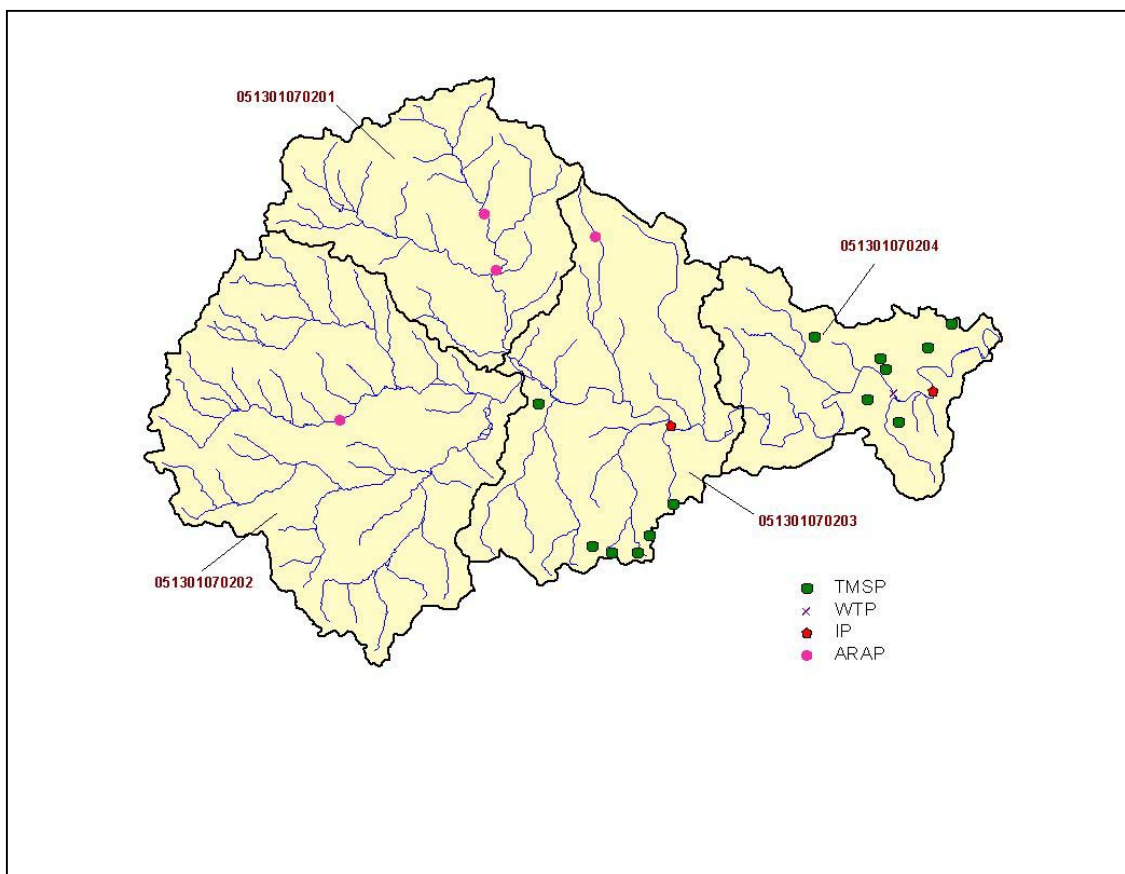


Figure 4-18. Location of Active Point Source Facilities in Subwatershed 0513010702. Subwatershed 051301070201, 051301040202, 051301070203 and 051301070204 boundaries are shown for reference. More information is provided in the following figures.

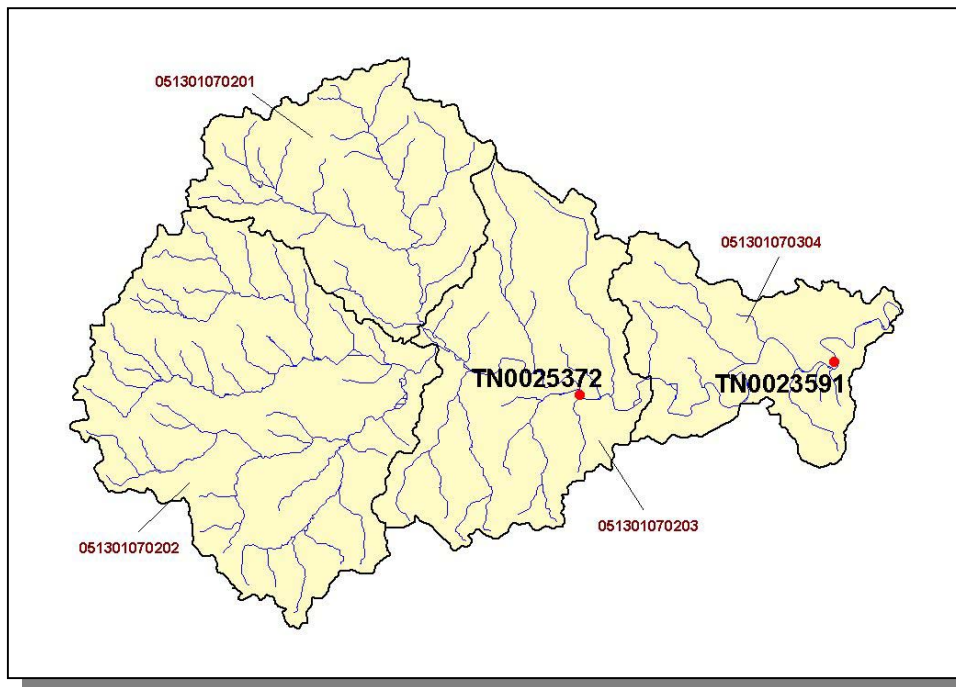


Figure 4-19. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 0513010702. Subwatershed 051301070201, 051301040202, 051301070203 and 051301070204 boundaries are shown for reference. More information, including the names of facilities, is provided in Collins-Appendix IV.

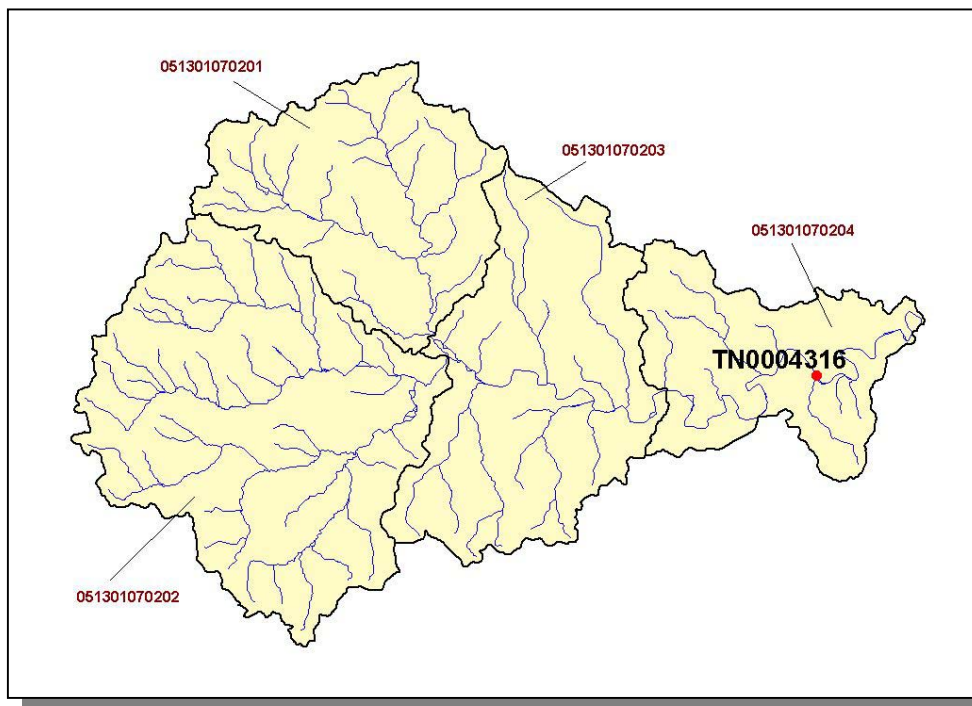


Figure 4-20. Location of Water Treatment Plant in Subwatershed 0513010702. Subwatershed 051301070201, 051301040202, 051301070203 and 051301070204 boundaries are shown for reference. More information, including the names of facilities, is provided in Collins-Appendix IV.

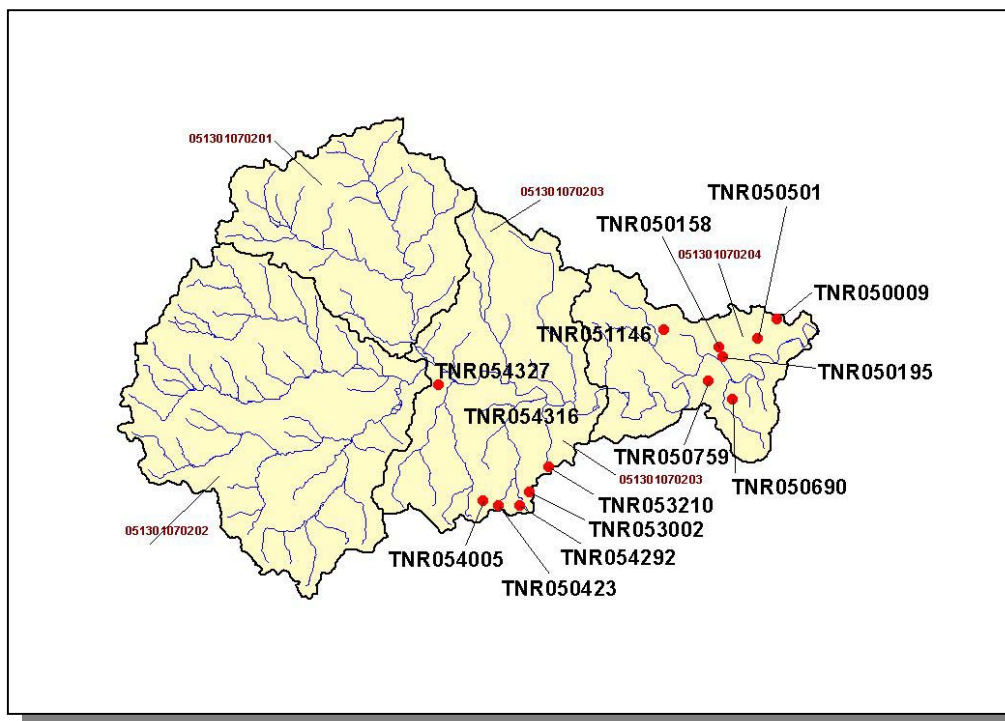


Figure 4-21. Location of TMSP Facilities in Subwatershed 0513010702. Subwatershed 051301070201, 051301040202, 051301070203 and 051301070204 boundaries are shown for reference. More information, including the names of facilities, is provided in Collins-Appendix IV.

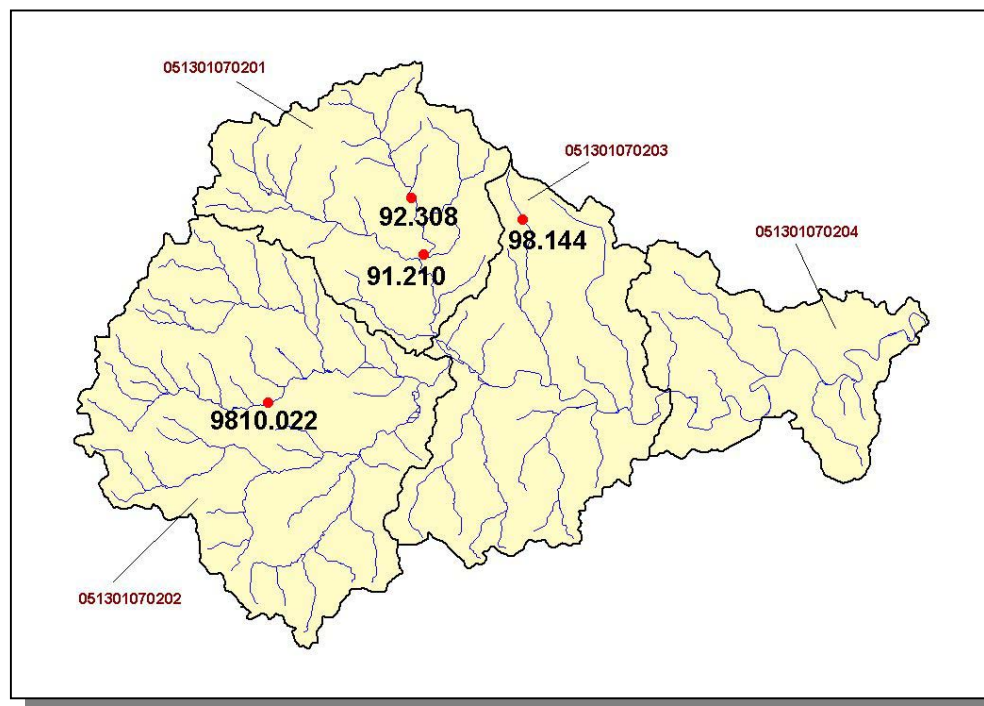


Figure 4-22. Location of ARAP Sites (Individual Permits) in Subwatershed 0513010702. Subwatershed 051301070201, 051301040202, 051301070203 and 051301070204 boundaries are shown for reference. More information, including the names of facilities, is provided in Collins-Appendix IV.

4.2.B.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Cattle	Milk Cow	Chickens	Chickens Sold	Hogs	Sheep
10,094	21,831	1,367	26	387,447	2,412	108

Table 4-11. Summary of Livestock Count Estimates in Subwatershed 0513010702.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Cannon	88.5	88.5	1.7	7.1
Coffee	114.4	114.2	2.8	12.7
Warren	93.6	93.6	2.4	10.1
Total	296.5	301.4	6.9	29.9

Table 4-12. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0513010702.

CROPS	TONS/ACRE/YEAR
Legume/Grass (Hayland)	2.66
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.42
Non Agricultural Land Use	0.00
Corn (Row Crops)	8.92
Soybeans (Row Crops)	13.36
Cotton (Row Crops)	4.03
Wheat (Close Grown Cropland)	8.92
Grass (Hayland)	0.82
Legume (Hayland)	0.10
Legume (Pastureland)	0.37
Other (Horticulture)	13.98
Grass (Pastureland)	0.53
Grass, Forbs, Legumes (Mixed Pasture)	0.58
Conservation Reserve Lands	0.28
Other Vegetable and Truck Crop	0.37
Other Cropland not Planted	6.68

Table 4-13. Annual Estimated Total Soil Loss in Subwatershed 0513010702.